

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. ASMINIT.057AUS	APPLICATION NO. 10/700,298
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		O P E R A T I O N S D E P A R T M E N T U. S. PATENT AND TRADEMARK OFFICE DEC 24 2003 JCS 9	
		APPLICANT Granneman et al.	FILING DATE October 31, 2003
		GROUP Unknown	2891

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
CDW	1. 3,947,236	3/30/76	Lasch, Jr.	432	11	
	2. 4,860,687	8/29/89	Frijlink	118	500	
	3. 4,495,024	01/22/85	Bok	216	57	
	4. 4,560,590	12/24/85	Bok	427	294	
	5. 4,575,408	03/11/86	Bok	250	492.3	
	6. 4,975,561	12/04/90	Robinson, et al.	219	390	
	7. 5,178,639	01/1993	Nishi	29	25.02	
	8. 5,180,273	01/1993	Sakaya et al.	414	404	
	9. 5,314,848	05/24/94	Yasui, et al.	439	800	
	10. 5,332,442	07/26/94	Kubodera, et al.	118	725	
	11. 5,407,449	04/18/95	Zinger	29	25.01	
	12. 5,411,076	05/95	Matsunaga et al.	165	80.2	
	13. 5,414,244 A1	05/95	Imahashi	219	497	
	14. 5,430,271	07/04/95	Orgami, et al.	219	388	
	15. 5,431,700	07/95	Sloan	29	25.01	
	16. 5,646,313	11/1995	Gheewa <i>Danvy et al.</i>	549	441	
	17. 5,650,082	07/22/97	Anderson	219	390	
	18. 5,790,750	08/04/98	Anderson	392	416	
	19. 5,855,681	01/1999	Maydan et al.	118	719	
	20. 5,997,588	12/7/99	Goodwin et al.	29	25.01	
	21. 6,001,175	12/14/99	Maruyama et al.	117	102	
	22. 6,018,616	01/25/00	Schaper	392	418	
	23. 6,064,799	05/16/00	Anderson, et al.	392	416	
	24. 6,072,163 A1	06/00	Armstrong et al.	219	497	
	25. 6,080,969	06/27/00	Goto, et al.	219	444.1	
	26. 6,097,005	08/01/00	Akimoto	219	444.1	
CDW	27. 6,099,056	8/8/00	Siniaguine et al.	294	64.3	

EXAMINER <i>Christian Wilson</i>	DATE CONSIDERED <i>7/5/05</i>
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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		O I P E DEC 24 2003 P A T E N T & T R A D E M A R K O F F I C E JCS	
		APPLICANT Granneman et al.	
		FILING DATE October 31, 2003	GROUP Unknown 2891

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
CW	28. 6,111,225	08/29/00	Ohkase, et al.	219	390	
	29. 6,183,565 B1	02/06/01	Granneman, et al.	118	725	
	30. 6,207,936 B1	03/27/01	de Waard, et al.	219	497	
	31. 6,215,106	04/01	Boas et al.	219	390	
	32. 6,234,788 B1	05/01	Lee	432	124	
	33. 6,275,744 B1	08/01	Yoshida	700	218	
	34. 6,329,304 B1	12/11/01	Kuznetsov, et al.	438	799	
	35. 2003/0092231 A1	5/15/03	Granneman et al.	438	200	
	36. 2003/0209200	11/13/03	Kuznetsov et al.	118	724	
	37. 2003/0209327 A1	11/13/03	Kuznetsov, et al.	156	345.52	
CW	38. 2003/0027094 A1	2/6/03	Grommet et al. Chou et al.	257	778	

FOREIGN PATENT DOCUMENTS						
EXAMINE R INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
CW	39. JP 02034915A	2/5/90	Japan	—	—	Abstract
	40. JP 04078130A	3/12/92	Japan	—	—	Abstract
	41. JP 61294812A	12/25/86	Japan	—	—	Abstract
	42. JP 62021237A	1/29/87	Japan	—	—	Abstract
	43. JP 08236533	09/13/96	Japan	—	—	Abstract
	44. JP 10321505	12/04/98	Japan	—	—	Abstract
	45. WO 00/42638	07/20/00	PCT	—	—	N/A
	46. WO 00/68977	11/16/00	PCT	—	—	N/A
	47. WO 98/01890	1/15/98	PCT	—	—	N/A
CW	48. WO 90/13687	11/15/90	PCT	—	—	N/A

EXAMINER Christian Wilson	DATE CONSIDERED 7/5/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		O I P E JCS6 P A T E N T & T R A D E M A R K O F F I C E	
(USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Granneman et al.	
		FILING DATE October 31, 2003	GROUP Unknown 2891

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
CDW	49. Porter, et al., Fast-ramp rapid vertical processor for 300-mm Si wafer processing. SPIE vol 3507, September 1998, p 42-53.		

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EXAMINER <u>Christian C. Isen</u>	DATE CONSIDERED <u>7/5/05</u>
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(USE SEVERAL SHEETS IF NECESSARY)			FILING DATE October 31, 2003	GROUP <u>2240</u> 2891

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>dw</i>	1.	4,738,748	4/19/88	Kisa	438	727	

FOREIGN PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
<i>dw</i>	2.	JP 63-136532	8/6/88	Japan			Abstract
	1.						

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	2.	

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EXAMINER <i>Christian Wilson</i>	DATE CONSIDERED <i>7/5/05</i>
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